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State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
ENFORCEMENT ELEMENT
TWIN RIVERS OFFICE PLAZA
State Highway 33
Hightstown, New Jersey 08520

JOHN W. GASTON JR., P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

PMB Files

Mr. Joseph A. Skladanek
Plant Engineer
Lenox China
Tilton Road
Pomona, New Jersey 08240

RE: RCRA Inspection
Lenox China
EPA I.D. #NJD002325074
NJPDES #NJ0005177 - RCRA, DGW/IWMF
Galloway Township/Atlantic

0486 - MAR 5 1986

Dear Mr. Skladanek:

A Resource Conservation Recovery Act (RCRA) inspection (inspection reports attached) of your facility was conducted by representatives of this Division on February 4, 1986.

As a result of the inspection the following deficiencies were noted:

1. Monitoring Well #2 exceeds the permit limits for lead.

2. Monitoring Well No's. 1, 4, 6 and 8 exceeded the permit limit for manganese.

3. Monitoring Well No's. 7 and 8 exceeded the permit limits for Total Coliform.

4. Monitoring Well No's. 2 and 3 exceeded the permit limits for Total Dissolved Solids.

5. Analytical data for gross alpha and gross beta has not been submitted for the last reporting period.

651105

Since the deficiencies cited are in violation of the Ground Water Quality Standards N.J.A.C. 7:9-6.6, you are Directed to contact Ms. Kathy Davies, Bureau of Ground Water Discharge Permits at (609) 292-0424, within fifteen (15) calendar days of receipt of this correspondence for the purpose of scheduling a meeting to discuss corrective measures which must be taken to correct the deficiencies.

Written confirmation of the meeting when scheduled, must be submitted to this office.

The inspection report and letter covering the discharge to surface water (DSW) inspection conducted at your facility on February 4, 1986, will be forwarded shortly.

If you have any questions regarding this letter, please call the writer at (609) 426-0791.

Very truly yours,

John M. Tomasiello, Supervisor
Compliance Monitoring Unit
Southern Bureau of
Regional Enforcement

A35:ral
Attachment
cc: Assistant Director George G. McCann
Ken Siet/Attach.
Kathy Davies/Attach.
C. Kenna Amos, Jr., USEPA/Attach.
J. Golumbek, USEPA/Attach.
J. Aiello, Atlantic County Health Department

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS

Lenox China, Inc. manufactures fine china. the process includes molding, firing and glazing. Final touches are done in the etching shop.

The Glaze Basin is inactive and covered with plastic. The plastic cover is in good shape, no tears or rips.

The Slip Basin's earthen embankments have been increased to provide at least two (2) feet of freeboard.

The facility has in its operating record a detailed chemical and physical analysis of a representative sample of the waste in the impoundments.

The analytical data of the monitoring wells indicate that the manganese levels in wells #1, #4, #6, and #8 have exceeded the permit limits, that the lead level in well #2 exceeded the permit limits and that the total coliform levels have in wells #7 and #8 have exceeded the permit limits.

The Total Dissolved Solids (TDS) levels in wells #2 and #3 have exceeded the permits limits.

There is no analysis data indicating that gross alpha and gross beta were sampled for during the last reporting period.

YES NO N/A

7:14A-6 **Groundwater monitoring**

(Applies only to: surface impoundments, landfills, land disposal facilities)

7:14A-6.2 Does the owner/operator have a groundwater monitoring plan approved by the Department and capable of determining the facility's impact on the quality of groundwater? YES ___ ___

If no, please explain.

How many monitoring wells has the facility installed? 7 monitoring wells
1 piezometer for monitoring ground water level.

What is the depth to groundwater?

#1-- 10.9'	#5-- 6.5'
#2-- 11.6'	#6-- 7.7'
#3-- 8.9'	#7-- 9.7'
#4-- 4.4'	#8-- 9.3'

How many deep monitoring wells are onsite? (Indicate depth of monitoring wells)

None

How many shallow monitoring wells are onsite? (Indicate depth of monitoring wells) Seven (7)

#1-- 27.75'	#6-- 28.70'
#2-- 28.00'	#7-- 24.00'
#3-- 28.40'	#8-- 28.00'
#4-- 26.00'	

7:14A-6.3(a) Is the groundwater monitoring system capable of yielding groundwater samples for analysis? YES ___ ___

If no, please explain.

7:14A-6.3(a)1 Are monitoring wells installed hydraulically upgradient? YES ___ ___

If yes, specify how many and the depth of each. One (1), monitoring well #1- 27.75 depth to bottom of casing with 20' of screen.

		YES	NO	N/A
7:14A-6.3 a 1	How many monitoring wells are installed hydraulically down gradient? Six (6)	YES	___	___
	If yes, specify how many and the depth of each. Six (6) #2-- 28.00' - 20' screen #8-- 28.00' - 20' screen #3-- 28.40' - 20' screen #4-- 26.00' - 20' screen #6-- 28.70' - 20' screen #7-- 24.00' - 20' screen			
7:14A-6.4(a)	Does the owner/operator have a groundwater sampling and analysis plan?	YES	___	___
	If no, please explain.			
7:14A-6.4(a)	Does the plan include procedures and techniques for:			
	1. Sample collection	YES	___	___
	2. Sample preservation and shipment	YES	___	___
	3. Analytical procedures	YES	___	___
	4. Chain of custody	YES	___	___
7:26-11.3	Surface Impoundments			
	Describe the design and operating features of the surface impoundment to prevent groundwater contamination (e.g., liner leachate collection system). Periodic dredging of SLIP BASIN (Primary Clarifer) and POLISHING LAGOON. Also Tilton Road Pond as needed. Solids form an impermeable liner and therefore some solids are always left when dredging to form a liner.			
	Give the approximate size of surface impoundments (gallons or cubic feet). Please specify the types of waste stored and treated. Slip Basin (Clarifers)--- 1.5 mg Polishing Pond---------- 0.11 mg Tilton Road Pond--------- 0.125 mg			
7:26-11.3 a	Is there at least 2 feet of freeboard in the impoundment?	YES	___	___

		YES	NO	N/A
7:26-11.3 c	Do all earthen dikes have a protective cover to preserve their structural integrity?	YES		

If yes, please specify the type of covering.

Native vegetation growing

7:26-9.4(b)1	Does the owner/operator have a detailed chemical and physical analysis of a representative sample of the waste in the impoundment?	YES		
7:26-9.4(c)2	Does the owner/operator place the results from each waste analysis and trial test, or the documented information, in the operating record of the facility?	YES		
7:26-11.3(d)	Does the owner or operator inspect:			
7:26-11.3(d)1	The freeboard level at least once each operating day to ensure compliance with subsection 11.3(a)?	YES		
7:26-11.3(d)2	The surface impoundment, including dikes and vegetation surrounding the dike, at least once a week to detect any leaks, deterioration or failures in the impoundment?	YES		
7:26-11.3(f)	Is ignitable or reactive waste placed in the surface impoundment?		NO	
7:26-11.3(f)1	If yes, is the waste treated, rendered, or mixed before or immediately after placement in the impoundment?		NO	
7:26-11.3(f)1i	Does the resulting waste, mixture, or dissolution of material no longer meet the definition of ignitable or reactive waste?		NO	
7:26-11.3 f,1ii	Is the waste treated, rendered or mixed so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?			N/A
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health?			N/A
7:26-9.4 e,2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion?			N/A

		YES	NO	N/A
7:26-9.4 e)2iv	Damage the structural integrity of the device or facility containing the waste?	___	___	N/A
7:26-9.4(e)2v	**Threaten human health or the environment?**	___	___	N/A
7:26-11.3(f)2	**Is the surface impoundment used soley for emergencies?**	___	NO	___
7:26-11.3(g)	Are incompatible wastes, or incompatible wastes and materials placed in the same surface impoundment?	___	NO	___
	If yes, is the waste managed so that it does not:			
7:26-9.4(e)2i	Generate extreme heat or pressure, fire or explosion, or violent reaction?	___	___	N/A
7:26-9.4(e)2ii	Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health?	___	___	N/A
7:26-9.4(e)2iii	Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosion?	___	___	N/A
7:26-9.4(e)2iv	Damage the structural integrity of the device or facility containing the waste?	___	___	N/A
7:26-9.4(e)2v	Threaten human health or the environment?	___	___	N/A
	<u>Waste Piles</u>			
	How many waste piles are on-site and approximately how large are they? (Please indicate size and height and types of wastes in piles.)			
	Is the waste pile protected from wind erosion?	___	___	___
	a) Does it appear to need such protection?	___	___	___
	b) Explain what type of protection does exist.			
7:26-9.3 a 5	Is the waste pile larger than 200 cubic yards?	___	___	___

Form DWR-053
3/81

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT

Page of

Permit.# 0005177
Date Feb. 4, 1986

DISCHARGE DATA

SOURCE: Lab analysis sheets PERIOD: Nov. 85

Para	Sample Type	Permit Limits	Well #1	Well #2	Well #3	Well #4	Well #6	Well #7	Well #8
Mn	Grab	0.05 ppm	0.10	—	—	0.20 ppm	0.06	—	0.28
Pb	Grab	0.05 ppm	—	3.6 ppm	—	—	—	—	—
Total Coli	Grab	4/100 ml	—	—	—	—	—	9.2	16.0
TDS	Grab	500 ppm	—	1100 ppm	530 ppm	—	—	—	—